



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh) and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Monday, September 4, 2017

Issued: 0800 CT

***Day 1 Hazards:*** Major River flooding continues across SE TX & SW LA.

***A few strong storms possible over NE OK and extreme N LA; gusty winds and hail are the main threats.***

**National Weather Service**

***Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX***



**Prepared by: Jennifer McNatt  
682-703-3747**

# Key Points



## Today

- Major river flooding continues across SE TX and SW LA
- A few strong storms possible over NE OK and extreme N AR; gusty winds and hail are the main threats

## Tuesday

- Cold front moves through the Region; may see some isolated heavy rain over S AR, N LA and NE TX, otherwise no significant impacts are expected, especially over the Harvey-impacted areas
- Major river flooding continues across parts of SE TX & SW LA

## Wednesday – Friday

- Major river flooding continues across parts of SE TX & SW LA
- Some heavy rainfall may be possible over Deep S TX

## Tropical Weather Outlook

- Hurricane Irma is a Category 3 storm about 625 miles east of the Leeward Islands and moving WSW at 14mph. There is still uncertainty in regards to the extended portion of the forecast; it is important to not focus on the exact track at this point.
- A tropical wave several hundred miles SW of the Cabo Verde Island is expected to strengthen, and a tropical depression will likely form later this week while the system moves WNW
- A trough of low pressure over the SW Gulf is disorganized, but slow development is possible during the next few days as it drifts NW
  - The rainfall with this system should remain mostly offshore this week, some heavy rain *may* be possible over deep S TX

# FEMA Region 6 Threat Matrix

Sep 3, 2017 - Sep 7, 2017

	MON	TUE	WED	THU	FRI
Severe Weather	NE OK, Extreme N AR				
Heavy Rain / Flash Flooding		S AR, N LA, NE TX		Deep S TX	Deep S TX
Heat					
River Flooding	SE TX, SW LA	SE TX, SW LA	SE TX, SW LA	SE TX, SW LA	SE TX, SW LA
Tropical Weather					

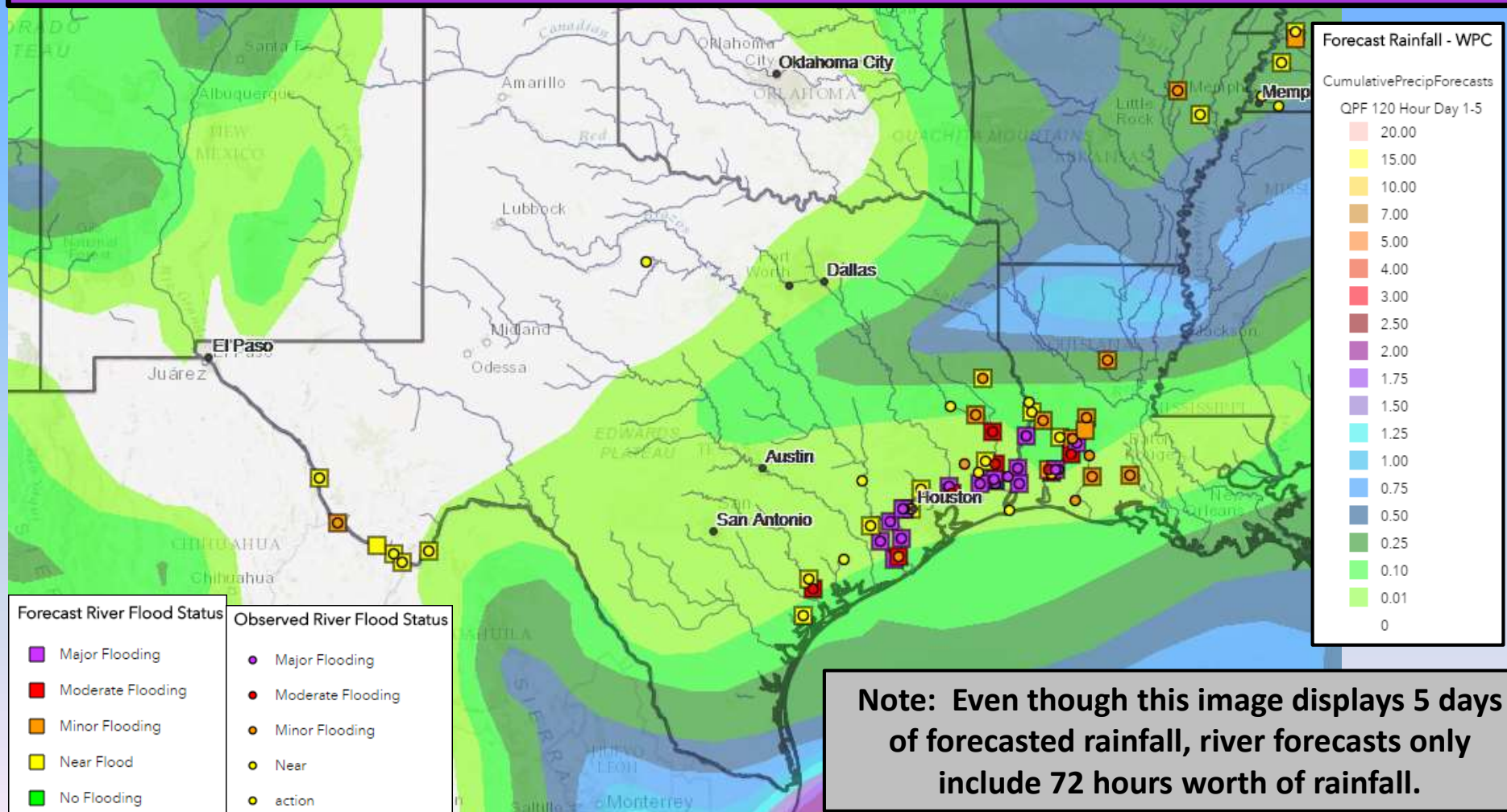
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# 5-Day Precipitation Forecast & River Flood Status

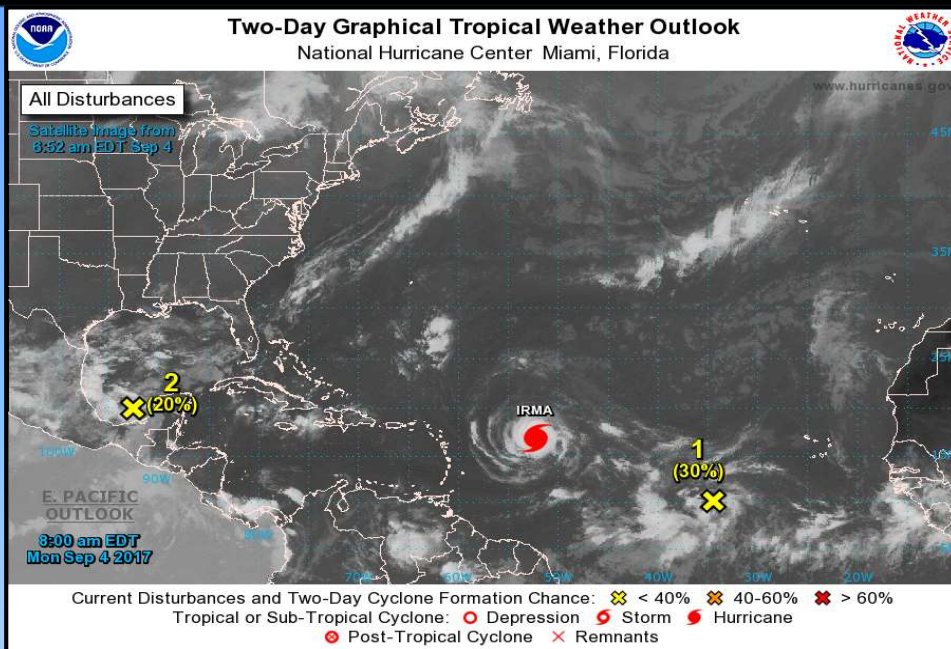
Major river flooding continues across parts of SE TX and SW LA; most sites have crested but several will remain in major flood stage for the next few weeks, including Buffalo Bayou west of Houston and the Lower Brazos River.



For the latest on river flooding: <http://water.weather.gov/ahps>



# Tropical Weather Outlook

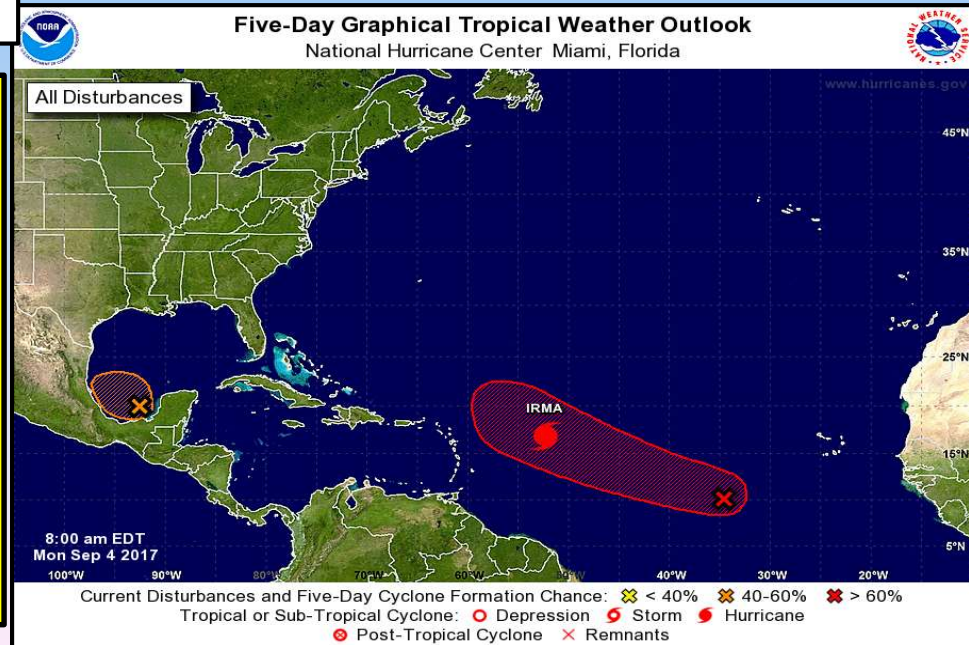


Hurricane Irma is about 625 miles E of the Leeward Islands and is moving WSW at 14mph.

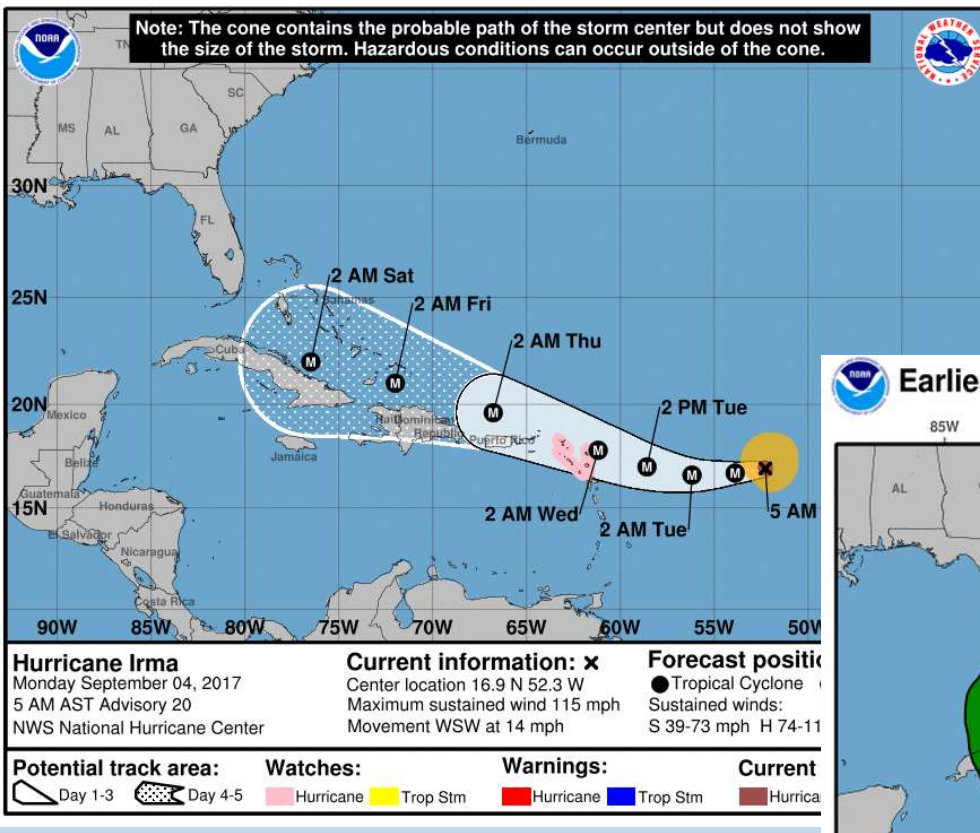
Maximum sustained winds are 115mph, which makes Irma a Category 3 (Major) Hurricane.

See next slide for more details on Hurricane Irma.

1. Low pressure several hundred miles SW of the Cabo Verde Islands continues to produce disorganized showers and storms. Environmental conditions are expected to be conducive for gradual development, and a tropical depression will likely form later this week while the system moves W-NW at 10-15mph. Formation chance through 48 hours...low...30%. Formation chance through 5 days...high...70%.
2. A trough of low pressure located over the SW Gulf is producing disorganized showers and storms. Some slow development of this system is possible during the next few days while it drifts NW. Formation chance through 48 hours...low...20%. Formation chance through 5 days...medium...40%.

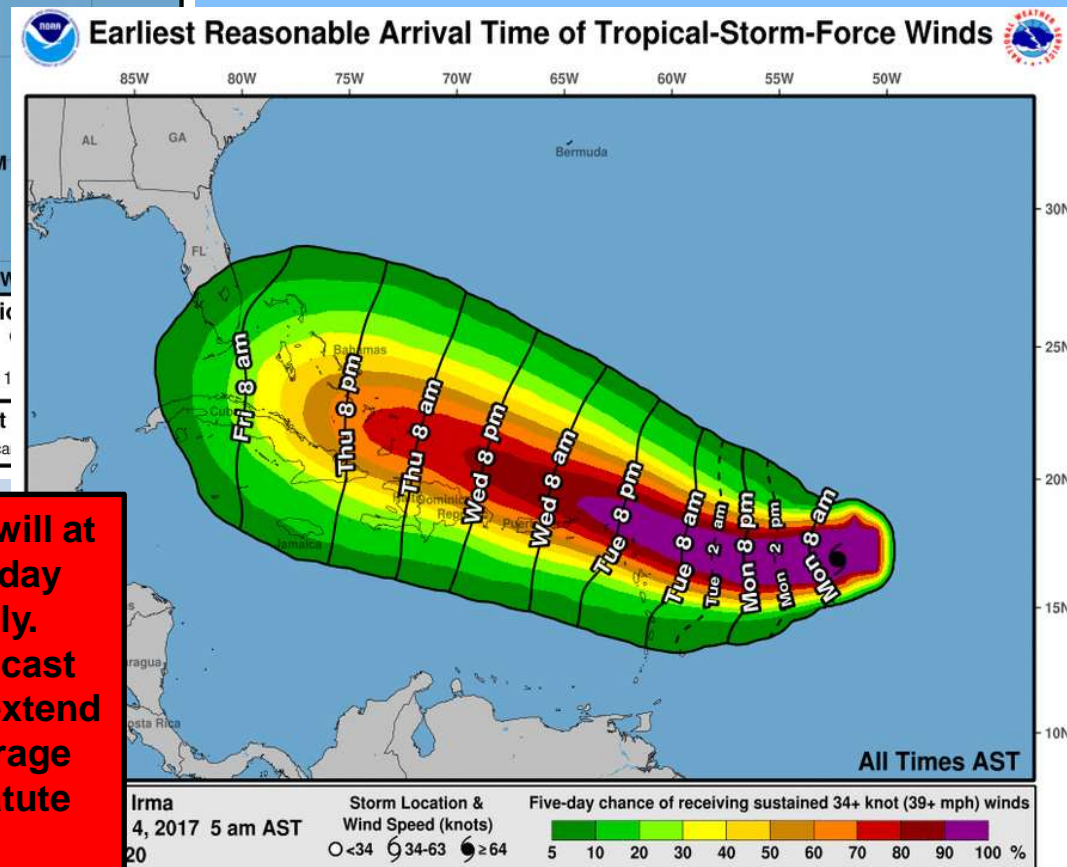


# Hurricane Irma



Tropical Storm force winds are expected to begin in the Leeward Islands late Tuesday.

Impacts to the CONUS would likely begin late this week (see graphic below for wind speed probabilities and earliest reasonable time of arrival graphic).



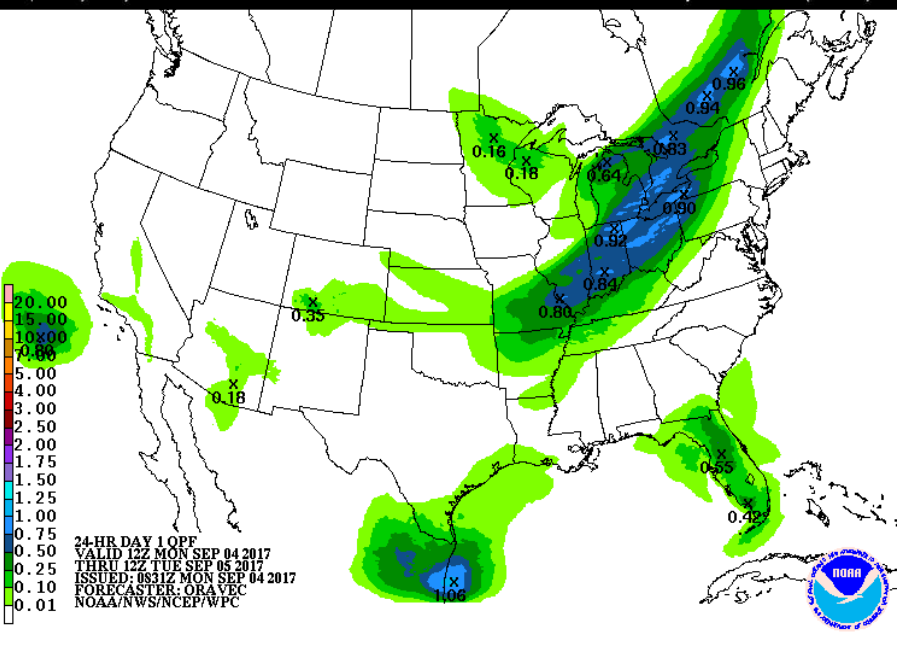
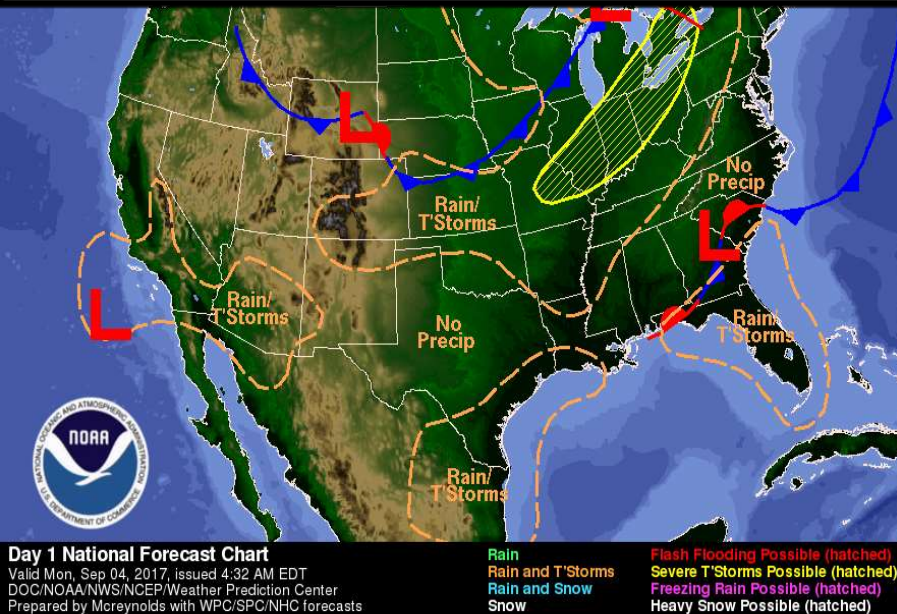
All environmental factors suggest that Irma will at least maintain its intensity for the entire 5-day forecast period, if not strengthen gradually. It's important to not focus on the exact forecast track since strong winds and heavy rainfall extend well away from the center. In addition, average NHC track errors are about 175 and 225 statute miles at days 4 and 5, respectively.



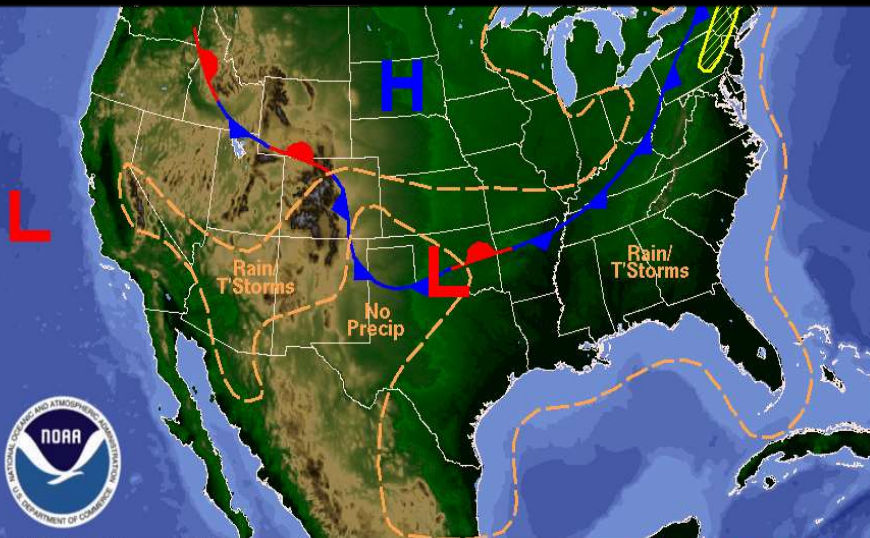
# Today's Weather

Major River flooding continues across SE TX and SW LA.

A few strong storms possible over extreme NE OK and N AR later today; damaging winds and hail are the main threats.



# Tomorrow's Weather



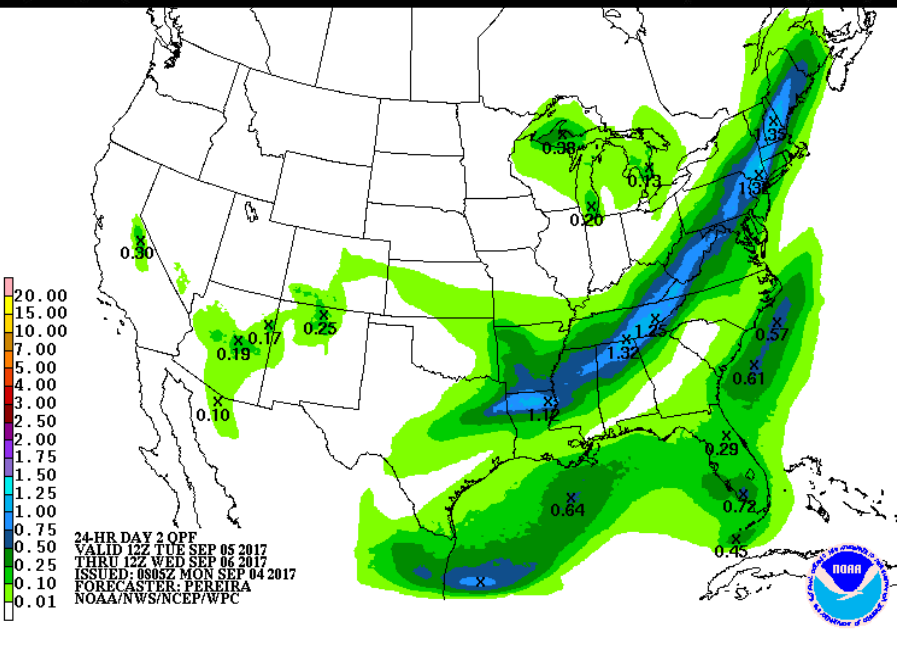
Major River flooding continues across SE TX and SW LA.

Some isolated heavy rainfall is possible over S AR, N LA and NE TX.

## Day 2 National Forecast Chart

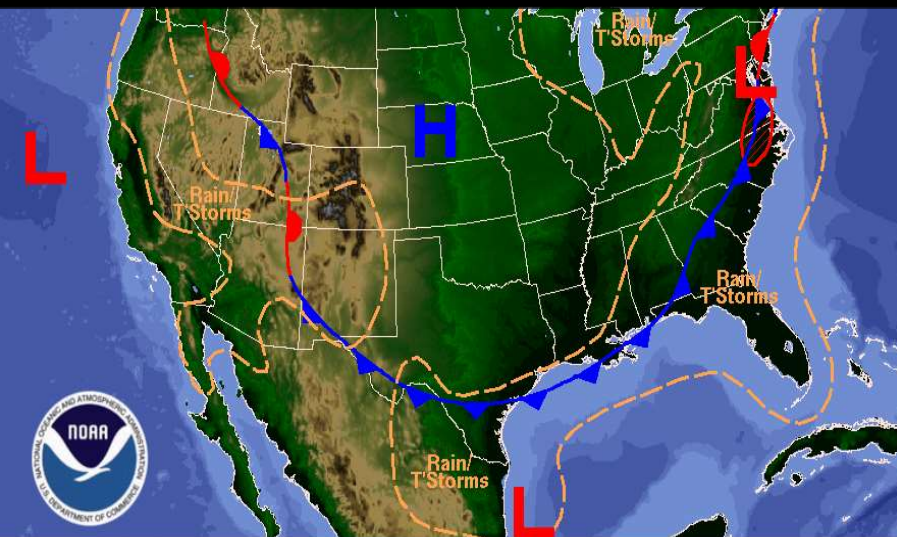
Valid Tue, Sep 05, 2017, issued 4:35 AM EDT Mon, Sep 04, 2017  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Moreynolds with WPC/SPC/NHC forecasts

Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)





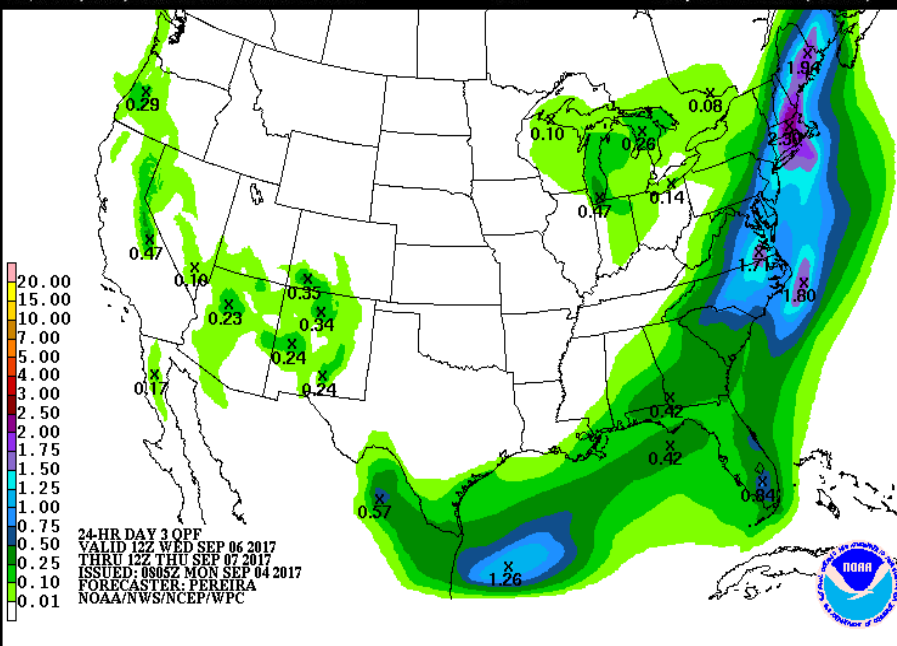
# Wednesday's Weather



Day 3 National Forecast Chart

Valid Wed, Sep 06, 2017, issued 4:38 AM EDT Mon, Sep 04, 2017  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds with WPC/SPC/NHC forecasts

Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)



24-HR DAY 3 OPF  
VALID 12Z WED SEP 06 2017  
THRU 12Z THU SEP 07 2017  
ISSUED: 0805Z MON SEP 04 2017  
FORECASTER: PEREIRA  
NOAA/NWS/NCEP/WPC

Major River flooding continues across SE TX and SW LA.

No significant weather is expected.



Severe Weather Outlook  
Wednesday, September 06, 2017

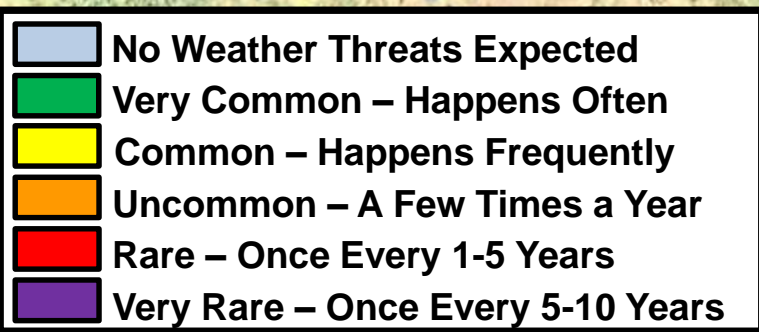
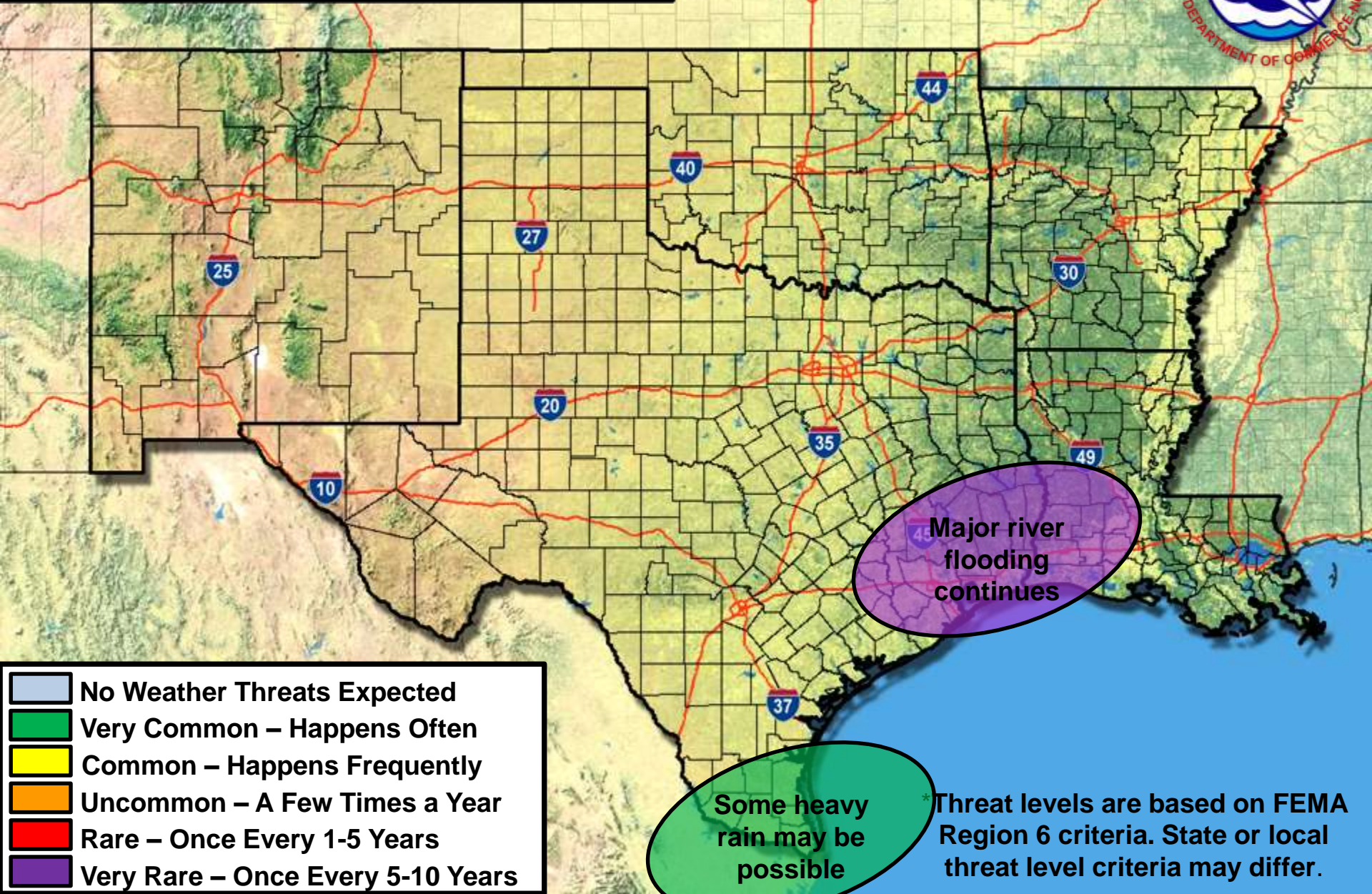
Last Updated: Sep 06 2017 6:19 AM CDT  
Valid Until: Sep 07 2017 07:00 AM CDT





# Day 4-5 Weather Hazards

Valid: 0800 Thu – 0800 Sat



Some heavy  
rain may be  
possible

Major river  
flooding  
continues

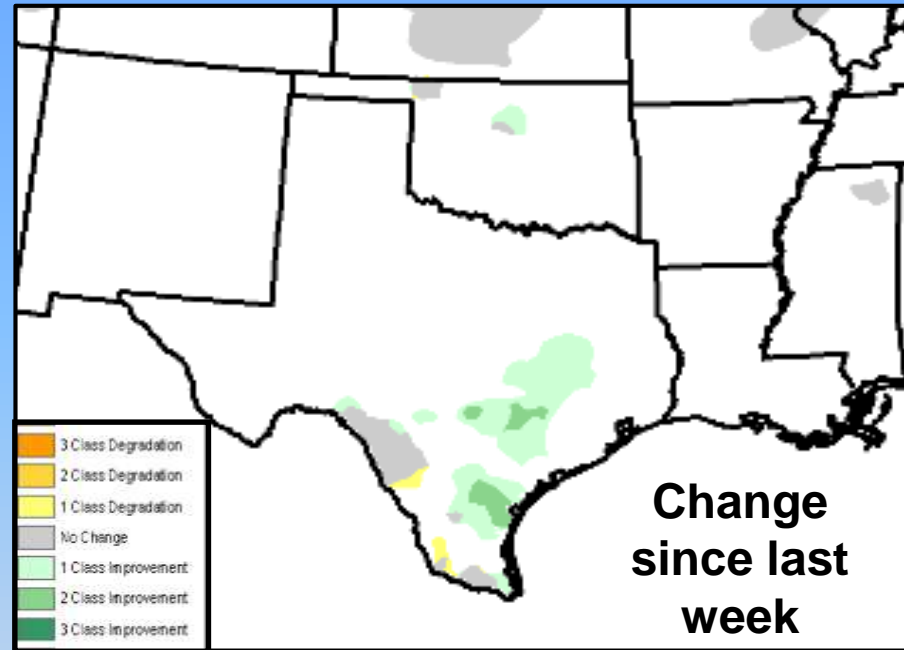
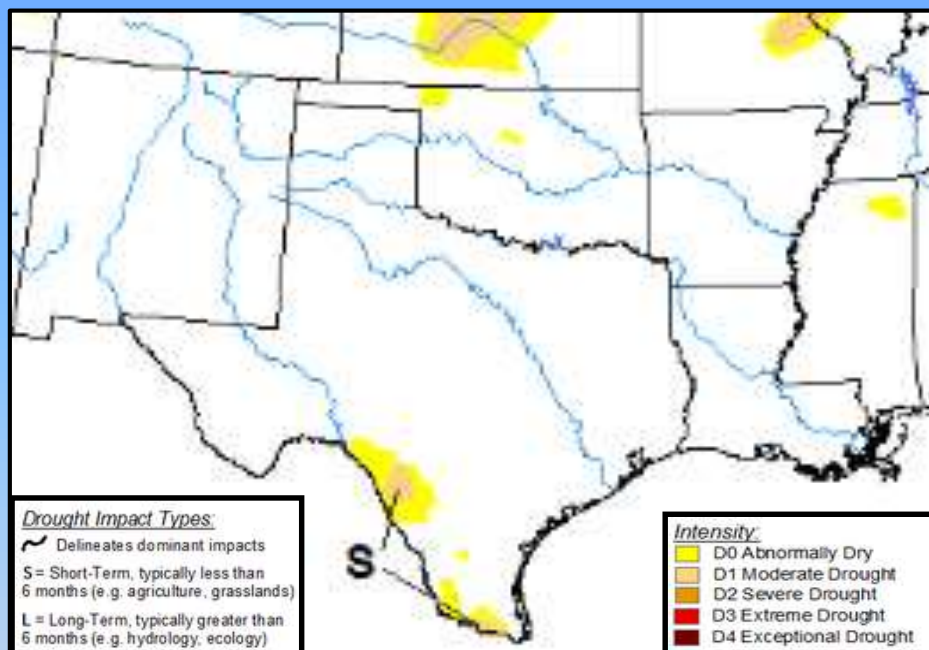
\*Threat levels are based on FEMA  
Region 6 criteria. State or local  
threat level criteria may differ.





# Drought Monitor Released 31 August, 2017

Data valid as of 7am CDT, Tuesday, August 29, 2017

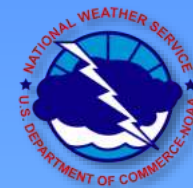


## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	0.00%	0.00%
Arkansas	0.00%	0.00%	0.00%	0.00%
Texas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	0.00%	0.00%



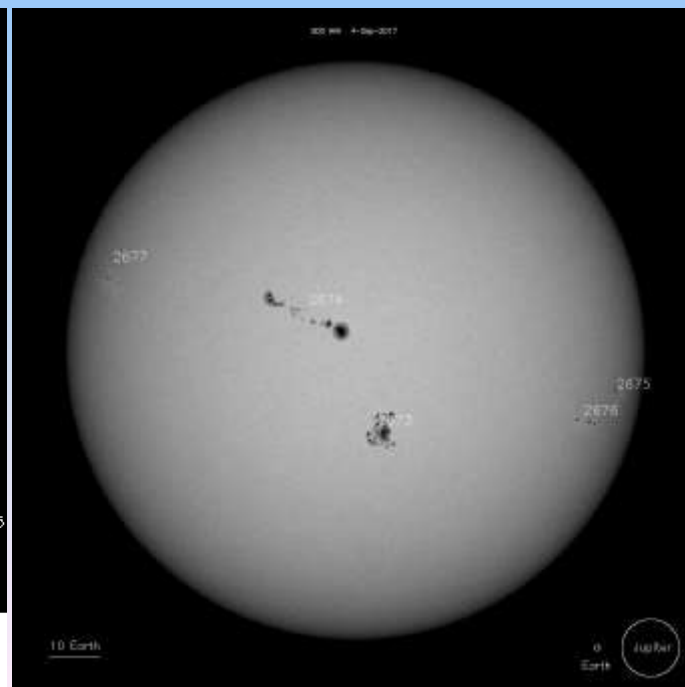
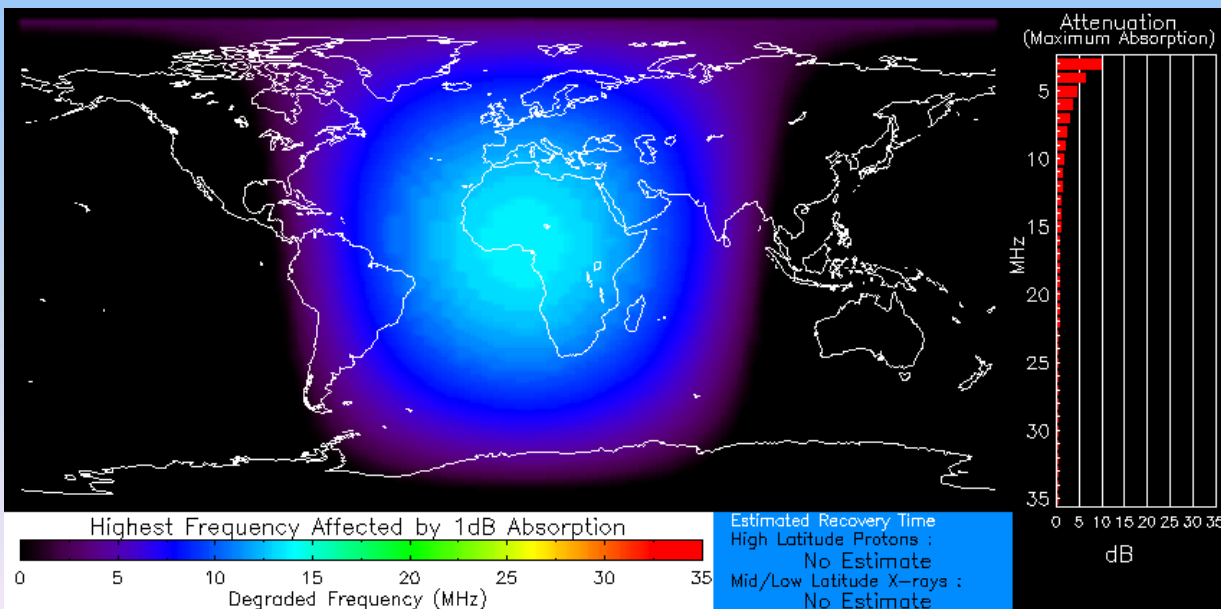
# Space Weather 3-Day Forecast



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)

	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	5%	5%
Radio Blackout (R1-R2)	30%	30%	30%
Radio Blackout (R3-R5)	1%	1%	1%



Elevated X-ray flux  
Product Valid At : 2017-09-04 11:38 UTC

Normal Proton Background  
NOAA/SWPC Boulder, CO USA

Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

Phone: (682) 703-3747 **\*New Direct Number**  
E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)  
Web: <http://www.weather.gov/srh> (**NEW link!!**)

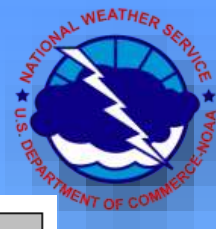
**facebook**

<https://www.facebook.com/NWSSouthern>

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# The criteria for the color codes in our briefings is below, please provide any feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>